

Ultrasonic echogenicity of developing corpora lutea in pony mares D.H. Townson and O.J. Ginther (Madison, WI, U.S.A.) .....	143
Embryonic development measured by ultrasonography and plasma progesterone concentrations in roe deer ( <i>Capreolus capreolus</i> L.) A.J. Sempéré (Beauvoir-sur-Niort, France), G. Renaud and F. Bariteau (Rouille, France) .....	155

**VOL. 20 NO. 3****SEPTEMBER 1989**

Serum inhibin, FSH, LH and testosterone levels and testicular inhibin content in beef bulls from birth to puberty A. Miyamoto, M. Umezū, S. Ishii, T. Furusawa, J. Masaki (Sendai, Japan), Y. Hasegawa (Maebashi, Japan) and M. Ohta (Miyagi, Japan) .....	165
Optimal insemination interval, semen dose and dilution for optimum fertility in chickens under humid tropical conditions L. Bratte (Abaka Campus, Nigeria) and S.N. Ibe (Nsukka, Nigeria) .....	179
Composition and characteristics of follicular waves during the bovine estrous cycle O.J. Ginther, J.P. Kastelic and L. Knopf (Madison, WI, U.S.A.) .....	187
Effects of ACTH and cortisol on luteolysis in the ewe R.G. Cooke and K.M. Benhaj (Liverpool, Great Britain) .....	201
Relaxin, progesterone and estrogen profiles in sow plasma during natural and induced parturitions G.J. King (Guelph, Ont., Canada) and D.C. Wathes (Bristol, Great Britain) .....	213
Effect of intraluteal estradiol-17 $\beta$ implants on weight and progesterone secretion of porcine corpora lutea A.J. Conley, A.E. Pusateri, D.E. van Orden and S.P. Ford (Ames, IA, U.S.A.) .....	221
Pregnancy loss in the mare F. Chevalier-Clément (Ploufragan, France) .....	231

**VOL. 20 NO. 4****OCTOBER 1989**

The effect of feeding level on semen quantity and quality of breeding boars B. Kemp, L.A. den Hartog (Wageningen, The Netherlands) and H.J.G. Grooten (Helden, The Netherlands) .....	245
Effect of dose of pregnant mare serum gonadotrophin on estrus parameters, ovulation rate and peripheral progesterone concentrations in Yankasa ewes E.O. Oyedipe, N. Pathiraja (Zaria, Nigeria), E.O. Gyang (Samaru-Zaria, Nigeria) and L.E. Edqvist (Uppsala, Sweden) .....	255
Reproductive performance of African indigenous small ruminants under various management systems: a review R.T. Wilson (Addis Ababa, Ethiopia) .....	265
Changes in plasma gonadotropins, ovarian steroids and inhibin concentrations in gilts following progesterone treatment with implantable osmotic pumps S. Mukai, Y. Mori (Tokyo, Japan), H. Nagashima (Saitama, Japan), Y. Hasegawa (Maebashi, Japan) and K. Hoshino (Tokyo, Japan) .....	287
Morphological scoring system for porcine (12 to 19 days old) embryonic development in vitro M. Trujano (Cuautitlan Izcalli, Mexico) .....	299
<b>Announcements</b> .....	309